INTE..ATIONAL SEARCH REPORT

International Application No
PCT/US2005/009677

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B31/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	J.L.HUDSON, M.J. CASAVANT AND J.M.TOUR: "Water-soluble, exfoliated, nonroping single-wall carbon nanotubes" J. AM. CHEM. SOC., vol. 126, 19 August 2004 (2004-08-19), pages 11158-11159, XP002350419 the whole document	1-28
Y	J.L.BAHR AND J. M. TOUR: "Highly functionalized carbon nanotubes using in situ generated diazonium compounds" CHEM. MATER., vol. 13, 24 October 2001 (2001-10-24), pages 3823-3824, XP002350421 the whole document	1-28

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[X] Further documents are listed in the continuation of box C

[ ] Patent family members are listed in annex.

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
21 October 2005	08/11/2005

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx 31 651 epo nl, Fax (+31-70) 340-3016	Marucci, A

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/009677

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	V.A. DAVIS ET AL: "Phase behavior and rheology of SWNTs in superacids" MACROMOLECULES, vol. 37, 9 December 2003 (2003-12-09), pages 154-160, XP002350422 cited in the application "Introduction"; "Experimental method"	1-28
Y	C.A. DYKE AND J.M.TOUR: "Solvent-free functionalization of carbon nanotubes" J. AM. CHEM. SOC., vol. 125, 2003, pages 1156-1157, XP002350420 cited in the application page 1156, column 1, line 1 - line 13	1-28
Y	T. V. SREEKUMAR ET AL: "Single-wall carbon nanotube films" CHEM. MATER., vol. 15, 4 December 2003 (2003-12-04), pages 175-178, XP002350423 "Experimental section"	1-28